



# Military Equipment Inventory

Equipment Owned Prior to January 1, 2022

**MARCH 9, 2022**

Scott R. Jones

Sheriff

Sacramento County Sheriff's Office

4500 Orange Grove Avenue, Sacramento, CA 95841



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## **Introduction**

The Sacramento County Sheriff's Department respectfully submits this Military Equipment Inventory in accordance with the requirements of AB 481, Chapter 406, Statutes of 2021.

This Military Equipment Inventory covers the equipment owned or acquired by the Sheriff's Office prior to January 1, 2022. A separate request will be submitted for additional purchases considered for this fiscal year.

This inventory is part of the Board packet which also includes the Sheriff's Office policy relating to same.

## Unmanned, Remotely Piloted, Powered Aerial or Ground Vehicles

The Sacramento County Sheriff's Office (SSO) acquired the following prior to January 1, 2022.

### **Aerial**

- Autel EVO II 640T (RCPD)
- Autel EVOII 6000 (SSO)
- Autel EVO II Dual (RCPD)
- DJI Inspire 1
- DJI Matrice 200
- DJI Matrice 600
- DJI Mavic 2 Enterprise Dual
- DJI Mavic 2 Enterprise Zoom
- DJI Mavic 2 Professional
- DJI Mavic Advanced
- DJI Mini 2
- DJI Phantom 3 Professional
- DJI Phantom 4 Professional 2

### **Ground**

- PackBot 510
- Remote Andros F6-A
- Quinetic Dragon Runner Robot
- Robotex Avatar Tactical Robot

## Autel EVO II 640T (RCPD)

SERIAL NUMBER	HV6920141393
QUANTITY	1
LIFESPAN	3 years
INITIAL COST	\$6900
ANNUAL MAINTENANCE	\$900

### Description

Manufacturer's Website: <https://autel drones.com/pages/evo-ii-dual-640t-detail>

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

### Proposed Uses

The Sacramento County Sheriff's Office SCOUT program uses Unmanned Aerial Surveillance (UAS) craft of varying sizes and capabilities to enhance public safety. All of the craft used by the program are the same makes and models available for purchase by the public. The craft are used in compliance with all federal, state, and local laws and are not used in any way for routine patrol or surveillance of the public.

### Rules of Use

[14 CFR Part 107 Small Unmanned Aircraft Systems](https://www.faa.gov/uas/public_safety_gov/) governs uses of drones. More information about the rules for public safety agencies can be found on the FAA website at [https://www.faa.gov/uas/public\\_safety\\_gov/](https://www.faa.gov/uas/public_safety_gov/)

The use of UAS is governed by Federal, State and local laws and regulations. The Federal Aviation Administration (FAA) governs all aircraft rules and regulations for flight within the US National Airspace, including UAS

Sheriff's Office General Orders:

G.O 26-10 – Unmanned Aerial Systems

### Training

All SSO UAS Pilots go through 40 hours of initial training prior to operating any UAS in the field. This training includes but is not limited to, Federal rules and regulations, State rules and regulations, SSO Policy, Flight training, and SSO Obtained FAA Authorizations

### Ensuring Compliance

The Sheriff's Office uses a personnel, equipment and flight management system that alerts the administrators anytime a UAS exceeds standard operating procedures and when pilots are out of flight currency standards. The Federal Aviation Administration has authority to perform a compliance check of Sheriff's Office UAS Operations at any time and authority to revoke issued



Certificate of Authorizations. The Sheriff's Office has the authority to investigate any suspected UAS Pilot misconduct and take disciplinary action up to and including termination.

## **Autel EVOII 6000 (SSO)**

<b>SERIAL NUMBER</b>	HV59203002376
<b>QUANTITY</b>	11
<b>LIFESPAN</b>	3 years
<b>INITIAL COST</b>	\$2100
<b>ANNUAL MAINTENANCE</b>	\$900

### **Description**

Manufacturer's Website: <https://auteldrones.com/pages/evo-ii-specification>

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

### **Proposed Uses**

The Sacramento County Sheriff's Office SCOUT program uses Unmanned Aerial Surveillance (UAS) craft of varying sizes and capabilities to enhance public safety. All of the craft used by the program are the same makes and models available for purchase by the public. The craft are used in compliance with all federal, state, and local laws and are not used in any way for routine patrol or surveillance of the public.

### **Rules of Use**

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Sheriff's Office General Orders:

G.O 26-10 – Unmanned Aerial Systems

### **Training**

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### Ensuring Compliance

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## Autel EVO II Dual (RCPD)

SERIAL NUMBER	HV6920141393
QUANTITY	1
LIFESPAN	3 years
INITIAL COST	\$10,000
ANNUAL MAINTENANCE	\$900

### Description

Manufacturer's Website: <https://auteldrones.com/pages/evo-ii-dual-640t-specification>

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

### Proposed Uses

The Sacramento County Sheriff's Office SCOUT program uses Unmanned Aerial Surveillance (UAS) craft of varying sizes and capabilities to enhance public safety. All of the craft used by the program are the same makes and models available for purchase by the public. The craft are used in compliance with all federal, state, and local laws and are not used in any way for routine patrol or surveillance of the public.

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Sheriff's Office General Orders:

G.O 26-10 – Unmanned Aerial Systems

**Training**

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**Ensuring Compliance**

The Sheriff's Office uses a personnel, equipment and flight management system that alerts the administrators anytime a UAS exceeds standard operating procedures and when pilots are out of flight currency standards. The Federal Aviation Administration has authority to perform a compliance check of Sheriff's Office UAS Operations at any time and authority to revoke issued Certificate of Authorizations. The Sheriff's Office has the authority to investigate any suspected UAS Pilot misconduct and take disciplinary action up to and including termination.

**DJI Inspire 1**

<b>SERIAL NUMBER</b>	W13DCA19020142
<b>QUANTITY</b>	1
<b>LIFESPAN</b>	3 years
<b>INITIAL COST</b>	No cost. Donated
<b>ANNUAL MAINTENANCE</b>	Not in Use

**Description**

Manufacturer's Website: <https://www.dji.com/inspire-1/info>

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

**Proposed Uses**

The Sacramento County Sheriff's Office SCOUT program uses Unmanned Aerial Surveillance (UAS) craft of varying sizes and capabilities to enhance public safety. All of the craft used by the program are the same makes and models available for purchase by the public. The craft are used in compliance with all federal, state, and local laws and are not used in any way for routine patrol or surveillance of the public.

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Sheriff's Office General Orders:

G.O 26-10 – Unmanned Aerial Systems

### Training

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### Ensuring Compliance

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## DJI Matrice 200

<b>SERIAL NUMBER</b>	0FZDE6S0P20197
<b>QUANTITY</b>	1
<b>LIFESPAN</b>	3 years
<b>INITIAL COST</b>	No cost. Donated
<b>ANNUAL MAINTENANCE</b>	\$1650

### Description

Manufacturer's Website: <https://www.dji.com/matrice-200-series/info>

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

### Proposed Uses

The Sacramento County Sheriff's Office SCOUT program uses Unmanned Aerial Surveillance (UAS) craft of varying sizes and capabilities to enhance public safety. All of the craft used by the program are the same makes and models available for purchase by the public. The craft are used in compliance with all federal, state, and local laws and are not used in any way for routine patrol or surveillance of the public.

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Sheriff's Office General Orders:

G.O 26-10 – Unmanned Aerial Systems

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### **Ensuring Compliance**

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## **DJI Matrice 600**

<b>SERIAL NUMBER</b>	M80DG3E00342LG
<b>QUANTITY</b>	1
<b>LIFESPAN</b>	3 years
<b>INITIAL COST</b>	\$4800
<b>ANNUAL MAINTENANCE</b>	\$1650

### **Description**

Manufacturer's Website: <https://www.dji.com/matrice600/info>

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

### **Proposed Uses**

The Sacramento County Sheriff's Office SCOUT program uses Unmanned Aerial Surveillance (UAS) craft of varying sizes and capabilities to enhance public safety. All of the craft used by the program are the same makes and models available for purchase by the public. The craft are used in compliance with all federal, state, and local laws and are not used in any way for routine patrol or surveillance of the public.

**Rules of Use**

[14 CFR Part 107 Small Unmanned Aircraft Systems](#) governs uses of drones. More information about the rules for public safety agencies can be found on the FAA website at [https://www.faa.gov/uas/public\\_safety\\_gov/](https://www.faa.gov/uas/public_safety_gov/)

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Sheriff's Office General Orders:

G.O 26-10 – Unmanned Aerial Systems

**Training**

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**DJI Mavic 2 Enterprise Dual**

<b>SERIAL NUMBER</b>	298DG4H00126S0, 298DG4K0011D59, 2983J3R001J011, 2983H3S001J004
<b>QUANTITY</b>	4
<b>LIFESPAN</b>	3 years
<b>INITIAL COST</b>	\$3850/unit
<b>ANNUAL MAINTENANCE</b>	\$800/unit

**Description**

Manufacturer's Website: <https://www.dji.com/mavic-2-enterprise/specs>

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

**Proposed Uses**

The Sacramento County Sheriff's Office SCOUT program uses Unmanned Aerial Surveillance (UAS) craft of varying sizes and capabilities to enhance public safety. All of the craft used by the

program are the same makes and models available for purchase by the public. The craft are used in compliance with all federal, state, and local laws and are not used in any way for routine patrol or surveillance of the public.

### Rules of Use

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Sheriff's Office General Orders:

G.O 26-10 – Unmanned Aerial Systems

### Training

All SSO UAS Pilots go through 40 hours of initial training prior to operating any UAS in the field. This training includes but is not limited to, Federal rules and regulations, State rules and regulations, SSO Policy, Flight training, and SSO Obtained FAA Authorizations

### Ensuring Compliance

The Sheriff's Office uses a personnel, equipment and flight management system that alerts the administrators anytime a UAS exceeds standard operating procedures and when pilots are out of flight currency standards. The Federal Aviation Administration has authority to perform a compliance check of Sheriff's Office UAS Operations at any time and authority to revoke issued Certificate of Authorizations. The Sheriff's Office has the authority to investigate any suspected UAS Pilot misconduct and take disciplinary action up to and including termination.

## DJI Mavic 2 Enterprise Zoom

<b>SERIAL NUMBER</b>	276DFBD0013BX2, 276CH6GR0A0AWU, 276CH5LR0A09G2, 276CJ5BRA0A0PQ9, 276CH5JR0A07K5
<b>QUANTITY</b>	5
<b>LIFESPAN</b>	3 years
<b>INITIAL COST</b>	\$3000/unit
<b>ANNUAL MAINTENANCE</b>	\$800/unit

### Description

Manufacturer's Website: <https://www.dji.com/mavic-2-enterprise/specs>

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

**Proposed Uses**

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Sheriff's Office General Orders:

G.O 26-10 – Unmanned Aerial Systems

**Training**

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**Ensuring Compliance**

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## DJI Mavic 2 Professional

SERIAL NUMBER	3Q43JCB003Z402
QUANTITY	1
LIFESPAN	3 years
INITIAL COST	\$1600
ANNUAL MAINTENANCE	\$800

### Description

Manufacturer's Website: <https://www.dji.com/mavic-2/info>

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

### Proposed Uses

The Sacramento County Sheriff's Office SCOUT program uses Unmanned Aerial Surveillance (UAS) craft of varying sizes and capabilities to enhance public safety. All of the craft used by the program are the same makes and models available for purchase by the public. The craft are used in compliance with all federal, state, and local laws and are not used in any way for routine patrol or surveillance of the public.

### Rules of Use

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The use of UAS is governed by Federal, State and local laws and regulations. The Federal Aviation Administration (FAA) governs all aircraft rules and regulations for flight within the US National Airspace, including UAS

Sheriff's Office General Orders:

G.O 26-10 – Unmanned Aerial Systems

### Training

All SSO UAS Pilots go through 40 hours of initial training prior to operating any UAS in the field. This training includes but is not limited to, Federal rules and regulations, State rules and regulations, SSO Policy, Flight training, and SSO Obtained FAA Authorizations

### Ensuring Compliance

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## DJI Mavic Advanced

<b>SERIAL NUMBER</b>	4GCCJ61R0A0DLQ
<b>QUANTITY</b>	1
<b>LIFESPAN</b>	3 years
<b>INITIAL COST</b>	\$10,000
<b>ANNUAL MAINTENANCE</b>	\$800

### Description

Manufacturer's Website:

[https://www.dji.com/mavic-2-enterprise-advanced?site=brandsite&from=insite\\_search](https://www.dji.com/mavic-2-enterprise-advanced?site=brandsite&from=insite_search)

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

### Proposed Uses

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Sheriff's Office General Orders:

G.O 26-10 – Unmanned Aerial Systems

### Training

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## DJI Mini 2

<b>SERIAL NUMBER</b>	3Q4CJ3L3A3QSFC, 3Q4CH9N3A31T2G, 3QCH9Q2A325KT, 3Q4CH9P3A31XV2, 3Q4CH930017846, 163CH8AR0A368N, 3Q4CJ6U3A3Z1GQ, 3Q4CJ7C3A30PU2, 3Q4CJ7X3A33D91, 3Q4CJ7V3A334V6
<b>QUANTITY</b>	10
<b>LIFESPAN</b>	3 years
<b>INITIAL COST</b>	\$450/unit
<b>ANNUAL MAINTENANCE</b>	\$250/unit

### Description

Manufacturer's Website: <https://www.dji.com/mini-2/specs>

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

### Proposed Uses

The Sacramento County Sheriff's Office SCOUT program uses Unmanned Aerial Surveillance (UAS) craft of varying sizes and capabilities to enhance public safety. All of the craft used by the program are the same makes and models available for purchase by the public. The craft are used in compliance with all federal, state, and local laws and are not used in any way for routine patrol or surveillance of the public.

### Rules of Use

[14 CFR Part 107 Small Unmanned Aircraft Systems](#) governs uses of drones. More information about the rules for public safety agencies can be found on the FAA website at [https://www.faa.gov/uas/public\\_safety\\_gov/](https://www.faa.gov/uas/public_safety_gov/)

The use of UAS is governed by Federal, State and local laws and regulations. The Federal Aviation Administration (FAA) governs all aircraft rules and regulations for flight within the US National Airspace, including UAS

Sheriff's Office General Orders:

## G.O 26-10 – Unmanned Aerial Systems

**Training**

All SSO UAS Pilots go through 40 hours of initial training prior to operating any UAS in the field. This training includes but is not limited to, Federal rules and regulations, State rules and regulations, SSO Policy, Flight training, and SSO Obtained FAA Authorizations

**Ensuring Compliance**

The Sheriff's Office uses a personnel, equipment and flight management system that alerts the administrators anytime a UAS exceeds standard operating procedures and when pilots are out of flight currency standards. The Federal Aviation Administration has authority to perform a compliance check of Sheriff's Office UAS Operations at any time and authority to revoke issued Certificate of Authorizations. The Sheriff's Office has the authority to investigate any suspected UAS Pilot misconduct and take disciplinary action up to and including termination.

**DJI Phantom 3 Professional**

<b>SERIAL NUMBER</b>	P78DCE18031228
<b>QUANTITY</b>	1
<b>LIFESPAN</b>	3 years
<b>INITIAL COST</b>	No cost. Donated
<b>ANNUAL MAINTENANCE</b>	Not in Use

**Description:**

Manufacturer's Website: <https://www.dji.com/phantom-3-standard/info>

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

**Proposed Uses**

The Sacramento County Sheriff's Office SCOUT program uses Unmanned Aerial Surveillance (UAS) craft of varying sizes and capabilities to enhance public safety. All of the craft used by the program are the same makes and models available for purchase by the public. The craft are used in compliance with all federal, state, and local laws and are not used in any way for routine patrol or surveillance of the public.

**Rules of Use**

[14 CFR Part 107 Small Unmanned Aircraft Systems](https://www.faa.gov/uas/public_safety_gov/) governs uses of drones. More information about the rules for public safety agencies can be found on the FAA website at [https://www.faa.gov/uas/public\\_safety\\_gov/](https://www.faa.gov/uas/public_safety_gov/)

The use of UAS is governed by Federal, State and local laws and regulations. The Federal Aviation Administration (FAA) governs all aircraft rules and regulations for flight within the US National Airspace, including UAS

Sheriff's Office General Orders:

G.O 26-10 – Unmanned Aerial Systems

### **Training**

All SSO UAS Pilots go through 40 hours of initial training prior to operating any UAS in the field. This training includes but is not limited to, Federal rules and regulations, State rules and regulations, SSO Policy, Flight training, and SSO Obtained FAA Authorizations

### **Ensuring Compliance**

The Sheriff's Office uses a personnel, equipment and flight management system that alerts the administrators anytime a UAS exceeds standard operating procedures and when pilots are out of flight currency standards. The Federal Aviation Administration has authority to perform a compliance check of Sheriff's Office UAS Operations at any time and authority to revoke issued Certificate of Authorizations. The Sheriff's Office has the authority to investigate any suspected UAS Pilot misconduct and take disciplinary action up to and including termination.

## **DJI Phantom 4 Professional**

<b>QUANTITY</b>	1
<b>LIFESPAN</b>	3 years
<b>INITIAL COST</b>	\$1600
<b>ANNUAL MAINTENANCE</b>	\$800

### **Description**

Manufacturer's Website: <https://www.dji.com/phantom-4-pro/info>

This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each drone is equipped with a camera capable of relaying a real-time image back to the drone operator.

### **Proposed Uses**

The Sacramento County Sheriff's Office SCOUT program uses Unmanned Aerial Surveillance (UAS) craft of varying sizes and capabilities to enhance public safety. All of the craft used by the program are the same makes and models available for purchase by the public. The craft are used in compliance with all federal, state, and local laws and are not used in any way for routine patrol or surveillance of the public.

**Rules of Use**

[14 CFR Part 107 Small Unmanned Aircraft Systems](https://www.faa.gov/uas/public_safety_gov/) governs uses of drones. More information about the rules for public safety agencies can be found on the FAA website at [https://www.faa.gov/uas/public\\_safety\\_gov/](https://www.faa.gov/uas/public_safety_gov/)

The use of UAS is governed by Federal, State and local laws and regulations. The Federal Aviation Administration (FAA) governs all aircraft rules and regulations for flight within the US National Airspace, including UAS

Sheriff's Office General Orders:

G.O 26-10 – Unmanned Aerial Systems

**Training**

All SSO UAS Pilots go through 40 hours of initial training prior to operating any UAS in the field. This training includes but is not limited to, Federal rules and regulations, State rules and regulations, SSO Policy, Flight training, and SSO Obtained FAA Authorizations

**Ensuring Compliance**

The Sheriff's Office uses a personnel, equipment and flight management system that alerts the administrators anytime a UAS exceeds standard operating procedures and when pilots are out of flight currency standards. The Federal Aviation Administration has authority to perform a compliance check of Sheriff's Office UAS Operations at any time and authority to revoke issued Certificate of Authorizations. The Sheriff's Office has the authority to investigate any suspected UAS Pilot misconduct and take disciplinary action up to and including termination.

## PackBot 510

QUANTITY	5
LIFESPAN	10 Years
INITIAL COST	No cost. Acquired through the 1033 program
ANNUAL MAINTENANCE	\$500

### Description

Manufacturer's Website: <https://www.flir.com/products/packbot/>

PackBot 510 is a man-transportable robot that performs bomb disposal, surveillance and reconnaissance, CBRN detection and HazMat handling operations. PackBot 510 easily climbs stairs and navigates narrow passages, relaying real-time video, audio and sensor data while the operator stays at a safer, standoff distance. The PackBot 510 manipulator lifts up to 44 lbs (20 kg). PackBot 510 is deployable by one person in under two minutes. The robot stows neatly in vehicle, even fitting in a car's trunk.

*Human-Transportable* Deployable by one person in less than two minutes. PackBot 510 stows neatly in vehicle, even fitting in a car's trunk.

*Mobile* Climbs stairs, rolls over rubble and navigates narrow passages.

*Powerful Multi-Sensor Capability* Four color cameras with zoom and illumination. Supports an optional fifth camera with thermal capability.

### Proposed Uses

EOD Robots are operated by trained members of the Bomb Squad to provide protection from suspected and known explosive hazards. They are also used in tactical support of special operations.

### Rules of Use, Training, Ensuring Compliance

EOD Robot operators must complete FBI Hazardous Devices School and FBI Robotics School.

## Remote Andros F6-A

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<b>QUANTITY</b>	1
<b>LIFESPAN</b>	15 years
<b>INITIAL COST</b>	\$250,000
<b>ANNUAL MAINTENANCE</b>	\$3000

### Description

Manufacturer's Website:

<https://www.army-technology.com/contractors/mines/northrop-remotec/>

This is a heavy-duty robot with stair climbing ability and an arm capable of lifting 65lbs. The F6A also offers multiple communications options, a chassis and manipulator that allow for accessories and tool combinations, and quick-release pneumatic wheels for rapid width reduction.

### Proposed Uses

EOD Robots are operated by trained members of the Bomb Squad to provide protection from suspected and known explosive hazards. They are also used in tactical support of special operations.

### Rules of Use

EOD robots are remotely-controlled unmanned machines that operate on the ground. They are utilized to enhance the safety of the community, officers and bomb technicians

### Training and Compliance

EOD Robot operators must complete FBI Hazardous Devices School and FBI Robotics School.



## Qinetiq Dragon Runner Robot

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QUANTITY	1
LIFESPAN	8-10 years
INITIAL COST	\$90,000
ANNUAL MAINTENANCE	\$500

### Description

Manufacturer's Website:

<https://www.qinetiq.com/en-us/what-we-do/services-and-products/dragon-runner-small-and-compact-robot>

This is a compact robot platform that can be hand carried or transported inside a rucksack. It can be remotely operated from many hundreds of meters away, providing protection and safety to their operators.

### Proposed Uses

EOD Robots are operated by trained members of the Bomb Squad to provide protection from suspected and known explosive hazards. They are also used in tactical support of special operations.

### Rules of Use

EOD robots are remotely-controlled unmanned machines that operate on the ground. They are utilized to enhance the safety of the community, officers and bomb technicians.

### Training and Compliance

EOD Robot operators must complete FBI Hazardous Devices School and FBI Robotics School.

## Robotex Avatar Tactical Robot

<b>QUANTITY</b>	2
<b>LIFESPAN</b>	Until determined unusable
<b>INITIAL COST</b>	\$57,618.80
<b>ANNUAL MAINTENANCE</b>	As needed when items get damaged

### Description

Manufacturer's Website: <https://robotex.com/products/avatar-tactical-robot/>

The AVATAR® enhances the capabilities of SWAT and tactical response teams by allowing them to quickly and safely inspect dangerous situations, there is no longer a need to send personnel in before you've had a chance to assess the situation.

The AVATAR® saves lives by keeping first responders out of harm's way, and it does so at a fraction of the price of other robots. The AVATAR® Robots are regarded by tactical teams as a standard operational tool, like a firearm, vehicle, or piece of body armor.

Departments across the United States and internationally are using the AVATAR® Robots. With the AVATAR®'s market beating affordability and ease-of-use, so can you.

- Quickly and easily deployable.
- Navigates various terrain including stairs, sand, clothing, grass, etc.
- Two-way audio.
- Video recording capability.

### Proposed Uses

Used to assist member of the SWAT team to bring a dangerous event to a safe resolution.

### Rules for Use

G.O. 2/11 – Use of Force

### Training and Compliance

Avatar Robot training for full-time and auxiliary SWAT officers includes lecture, familiarization, and driving.

## Mine-resistant Ambush-Protected (MRAP) Vehicles or Armored Personnel Carriers

The Sacramento County Sheriff's Office (SSO) acquired the following prior to January 1, 2022.

- 1980 Dodge Armored Car
- Lenco Bearcat Model G2

## 1980 Dodge Armored Car "Peacekeeper"

<b>VEHICLE NUMBER</b>	SSD-348 S/N 50370
<b>QUANTITY</b>	1
<b>LIFESPAN</b>	10 years
<b>INITIAL COST</b>	Acquired from the Folsom Police Department free of charge
<b>ANNUAL MAINTENANCE</b>	\$1500

### Description

Manufacturer's Website: Not available

The Peacekeeper is an armored vehicle built on a Dodge pickup truck frame. The purpose of the Peacekeeper armored vehicle is to provide ballistic protection to officers and citizens from gunfire. The armored vehicle stops rifle rated rounds including .50 caliber which is commercially available and beyond the protection level of shield and personal body armor possessed by the Sheriff's Office.

Protecting officers allows them to contain the suspect and reduce the immediacy of the threat while communicating and de-escalating as required per the Sheriff's Office General Orders. The Critical Incident Negotiations Team (CINT) operates from inside the armored vehicle during search warrant and emergency SWAT callouts where they communicate with the suspect and attempt to de-escalate.

### Proposed Uses

Heavy vehicles are often deployed to provide static or mobile ballistic protection for Special Operations Division (SED) personnel and to facilitate the safe evacuation of civilians, police personnel, or others in danger. Heavy vehicles are also employed to push, pull, or breach an opening in order to gain a tactical advantage. When objects, such as vehicles, walls or other restrictions inhibit an approach or cause other tactical difficulties, heavy vehicles can be used to eliminate those restrictions and allow SED personnel to regain a tactical advantage. When rapid and unrestricted access is needed to gain entry to a structure and other means are not feasible, a heavy vehicle can be used to breach an opening. When an armed suspect occupies a structure, and other means of taking the suspect into custody have been exhausted or are not reasonably safe, a heavy vehicle with a mechanical arm can be used to dismantle the structure.

### Rules of Use

The use of heavy vehicles to breach an opening, forcibly remove fortification, or dismantle a structure is an extraordinary tactic that requires close scrutiny and careful consideration of the potential hazards. Risks, such as damage to the structural integrity, dangers to all persons, or electrical hazards, must be weighed versus the benefits. Approval from the Tactical Commander shall be obtained for the breaching of a structure by an SED vehicle. If the fluidity of a dynamic situation precludes this approval process, the notification should be done as soon as possible.

Armored vehicles shall be used only by officers trained in their deployment and in a manner consistent with Department policy and training. The use of armored vehicles shall only be authorized by a watch commander based on the specific circumstances of a given critical incident. Critical incidents will involve actual, threatened, or suspected violence related to loss of life or other serious bodily injury. The watch commander shall ensure that the Special Weapons and Tactics (SWAT) commander is notified regarding the use of the armored vehicle as soon as is practical. The use of this equipment shall not be used in lieu of using SWAT, [Special Weapons and Tactics (S.W.A.T.) Team].

The armored vehicles will be secured and maintained by the SWAT team. Armored vehicles shall not be used for routine patrol or day-to-day operations.

### Training

Peacekeeper training for full-time and auxiliary SWAT officers includes lecture, familiarization, and driving.

## Lenco Bearcat Model G2

QUANTITY	2
LIFESPAN	10 years
INITIAL COST	\$244,062 for (2012 model), \$389,256 (2022 model)
ANNUAL MAINTENANCE	\$5000 fuel and \$8000 maintenance

### Description

Manufacturer's Website: <https://www.lencoarmor.com/model/bearcat-g2-police-government/>

The Lenco Bearcat is an armored vehicle built on a Ford F550 frame and is manufactured for law enforcement purposes. The purpose of the Bearcat armored vehicle is to provide ballistic protection to officers and citizens from gunfire. The armored vehicle stops rifle rated rounds including .50 caliber which is commercially available and beyond the protection level of shield and personal body armor possessed by the department.

The Bearcat is deployed several times a week by SWAT personnel while serving high risk search warrants. It can and has been used by trained patrol personnel to rescue downed officers and citizens. The Bearcat has been struck by gunfire several times and protected the officers inside, behind it, and the community.

Protecting officers allows them to contain the suspect and reduce the immediacy of the threat while communicating and de-escalating as required per the department's General Orders. Critical Incident Negotiations Team (CINT) operate from inside the armored vehicles during search warrant and emergency SWAT callouts where they communicate with the suspect and attempt to de-escalate.

**Proposed Uses**

Used to assist member of the SWAT team to bring a dangerous event to a safe resolution. Factors for Bearcat deployment with SED may include, but are not limited to, type of crime, fortification, number of suspects, suspect's weaponry, or suspect's criminal history.

**Rules for Use**

G.O. 2/11

Heavy vehicles are deployed to provide static or mobile ballistic protection for SED personnel and to facilitate the safe evacuation of civilians, police personnel, or others in danger. Heavy vehicles are also employed to push, pull, or breach an opening in order to gain a tactical advantage. Heavy vehicles affixed with an extension bar can be used to forcibly defeat fortifications by pulling the fortification clear of the target structure, or pushing the fortification into the structure. When objects, such as vehicles, walls or other restrictions inhibit an approach or cause other tactical difficulties, heavy vehicles can be used to eliminate those restrictions and allow SED personnel to regain a tactical advantage. When rapid and unrestricted access is needed to gain entry to a structure and other means are not feasible, a heavy vehicle can be used to breach an opening. When an armed suspect occupies a structure and other means of taking the suspect into custody have been exhausted or are not reasonably safe, a heavy vehicle with a mechanical arm can be used to dismantle the structure.

The use of heavy vehicles to breach an opening, forcibly remove fortification, or dismantle a structure is an extraordinary tactic that requires close scrutiny and careful consideration of the potential hazards. Risks, such as damage to the structural integrity, dangers to all persons, or electrical hazards, must be weighed versus the benefits. Approval from the Tactical Commander shall be obtained for breaching of a structure by an SED vehicle. If the fluidity of a dynamic situation precludes this approval process, the notification should be done as soon as possible.

Armored vehicles shall be used only by officers trained in their deployment and in a manner consistent with Department policy and training. The use of armored vehicles shall only be authorized by a watch commander based on the specific circumstances of a given critical incident. Critical incidents will involve actual, threatened, or suspected violence related to loss of life or other serious bodily injury. The watch commander shall ensure that the Special Weapons and Tactics (SWAT) commander is notified regarding the use of the armored vehicle as soon as is practical. The use of this equipment shall not be used in lieu of using SWAT, [Special Weapons and Tactics (S.W.A.T.) Team].

The armored vehicles will be secured and maintained by the SWAT team. Armored vehicles shall not be used for routine patrol or day-to-day operations.

**Training**

Bearcat training for full-time and auxiliary SWAT officers includes lecture, familiarization, and driving.

## High Mobility Multi-Purpose Wheeled Vehicles, 2.5-Ton Trucks, 5-Ton Trucks, or Wheeled Vehicles with an Attached Breaching or Entry Apparatus

The Sacramento County Sheriff's Office acquired the following prior to January 1, 2022.

- 1985 AM General Corporation 5-Ton Dump Truck
- 1992 AM General Hummer H1
- 2001 AM General Hummer Humvee

## 1985 AM General Corporation 5-Ton Dump Truck

<b>QUANTITY</b>	1
<b>LIFESPAN</b>	10 years
<b>INITIAL COST</b>	No cost. Acquired through the 1033 program
<b>ANNUAL MAINTENANCE</b>	None

### Description

Serial Number: C51901083

National Stock #2320-01-047875 Department Vehicle Number: SSD-181

The AM General 5-Ton Vehicle is a military piece of construction equipment. It is outfitted with a dump bed and is all wheel drive. The vehicle is not equipped with any weapons or weapon mounts nor is it intended to be deployed during any enforcement activity.

### Proposed Uses

The intended purpose for this vehicle is to provide aid in incidents involving major flooding at or around the Rio Cosumnes Correctional Center.

### Training

Operating this vehicle requires a Class B California Driver's License with an Air Brake Endorsement. All operators must utilize this vehicle in accordance with Sheriff's Office General Orders regarding vehicle operations.

### Use/Deployment

This vehicle has never been deployed and the Sheriff's Office is currently in the process of eliminating it from the fleet.



## 1992 AM General Hummer H1

<b>QUANTITY</b>	1
<b>LIFESPAN</b>	Unknown
<b>INITIAL COST</b>	No cost. Acquired through 1033 Program
<b>ANNUAL MAINTENANCE</b>	\$2000

### Description

1992 AM General HUMVEE VIN CA 957860

Miles 16,806.7 Department Vehicle Number: SSD-195

The YSU HUMVEE is a show vehicle that is deployed and operated by a team of deputies assigned to the Youth Services Unit. The onboard equipment is utilized by Sheriff's Deputies attracting the attention of the public while providing tools to interact with them to bridge the gap between law enforcement and the community.

The YSU HUMVEE is equipped with:

- Law Enforcement Radio Equipment to communicate with public safety entities in the region
- Audio Speaker
- Public address system
- Red and Blue exterior emergency response lighting
- White scene lighting/illumination
- Xbox game system
- Mounted televisions for multi-media use

### Proposed Uses

The YSU HUMVEE is deployed during community events at schools, parks, churches, car shows and various other events as a static display. Additionally, the YSU HUMVEE is used for community parades.

### Training

Operating the vehicle does not require any special operator permits or licenses. However, basic EVOC training is a minimum requirement. Additionally, drivers are given multiple behind-the-wheel lessons to acclimate themselves to driving this unique vehicle.

Using equipment associated to the YSU HUMVEE requires minimal familiarization training.

### Rules for Use

The YSU HUMVEE does not need special approval prior to deployment. It is deployed from the Sheriff's headquarters and is not used for routine patrol or transportation.

## 2001 AM General Hummer Humvee

<b>QUANTITY</b>	1
<b>LIFESPAN</b>	Unknown
<b>INITIAL COST</b>	Acquired via 1033 program, no cost to the Sheriff's Office
<b>ANNUAL MAINTENANCE</b>	Ask K9

### Description

HMMWV VIN: CA 949075      Control Number: 1028075

Miles: 22972      Department Vehicle Number: SSD-196

The High Mobility Multipurpose Wheeled Vehicle (HMMWV) is used as a community relations tool for the Sheriff's Canine Unit. The HMMWV has markings similar to a marked Sheriff's field services patrol vehicle, as well as an overhead light bar. However, the HMMWV is not used for any law enforcement related tasks. The HMMWV is brought out to community relations events when the canine unit is requested. Attendees of the community events are able to interact with members of the canine team and the HMMWV.

The High Mobility Multipurpose Wheeled Vehicle (HMMWV) is equipped with: Law Enforcement Radio Equipment to communicate with public safety entities in the region

### Proposed Uses

The High Mobility Multipurpose Wheeled Vehicle (HMMWV) is only utilized at special community relations events when the canine unit is requested.

### Training

Operating the vehicle does not require any special operator permits or licenses. However, basic EVOC training is a minimum requirement. Additionally, drivers are given multiple behind-the-wheel lessons to acclimate themselves to driving this unique vehicle.

## Tracked Armored Vehicles that Provide Ballistic Protection to Occupants and Utilize a Tracked System for Forward Motion

The Sacramento County Sheriff's Office acquired the following prior to January 1, 2022.

- Rook Tactical Tractor (ROOK)

## Rook Tactical Tractor (ROOK)

<b>QUANTITY</b>	1
<b>LIFESPAN</b>	10 years
<b>INITIAL COST</b>	\$315,518.65 (\$165,519 UASI grant \$149,999.65 paid with asset seizure funds)
<b>ANNUAL MAINTENANCE</b>	\$7000 for fuel and maintenance

### Description

Manufacturer's Website: <https://therook.ringpower.com/>

The ROOK armored tractor is a heavy-duty industrial bobcat track operated tractor designed to transport personnel in or out of a tactical scene, as well as facilitate the movement of heavy items in or around a tactical scene, clear the area in and around a tactical scene, conduct the removal of fortifications, have the ability to introduce chemical agents into a structure, to conduct personnel or citizen movements, or aid in SED tactical actions via the armored platform attachment, to include civilian and officer rescue.

### Proposed Uses

Factors for ROOK deployment with SED may include, but are not limited to, type of crime, fortification, number of suspects, suspect's weaponry, or suspect's criminal history.

The armored vehicle stops rifle rated rounds including .50 caliber which is commercially available and beyond the protection level of shield and personal body armor possessed by the department.

The ROOK has been deployed over a dozen times since its acquisition. It is often deployed by SWAT personnel while serving high risk search warrants. The ROOK has been struck by gunfire several times during high risk SWAT incidents and protected the officers inside, behind it, and the community.

Protecting officers allows them to contain the suspect and reduce the immediacy of the threat while communicating and de-escalating incidents. Critical Incident Negotiations Team (CINT) operate from inside the armored vehicles during search warrant and SWAT callouts where they communicate with the suspect and attempt to de-escalate.

### Rules of Use

Heavy vehicles are deployed to provide static or mobile ballistic protection for SED personnel and to facilitate the safe evacuation of civilians, police personnel, or others in danger. Heavy vehicles are also employed to push, pull, or breach an opening in order to gain a tactical advantage. Heavy vehicles affixed with an extension bar can be used to forcibly defeat fortifications by pulling the fortification clear of the target structure, or pushing the fortification into the structure. When objects, such as vehicles, walls or other restrictions inhibit an approach or cause other tactical difficulties, heavy vehicles can be used to eliminate those restrictions and allow SED personnel to regain a tactical advantage. When rapid and

unrestricted access is needed to gain entry to a structure and other means are not feasible, a heavy vehicle can be used to breach an opening. When an armed suspect occupies a structure and other means of taking the suspect into custody have been exhausted or are not reasonably safe, a heavy vehicle with a mechanical arm can be used to dismantle the structure.

The use of heavy vehicles to breach an opening, forcibly remove fortification, or dismantle a structure is an extraordinary tactic that requires close scrutiny and careful consideration of the potential hazards. Risks, such as damage to the structural integrity, dangers to all persons, or electrical hazards, must be weighed versus the benefits. Approval from the Tactical Commander shall be obtained for breaching of a structure by an SED vehicle. If the fluidity of a dynamic situation precludes this approval process, the notification should be done as soon as possible.

Armored vehicles shall be used only by officers trained in their deployment and in a manner consistent with Department policy and training. The use of armored vehicles shall only be authorized by a watch commander based on the specific circumstances of a given critical incident. Critical incidents will involve actual, threatened, or suspected violence related to loss of life or other serious bodily injury. The watch commander shall ensure that the Special Weapons and Tactics (SWAT) commander is notified regarding the use of the armored vehicle as soon as is practical. The use of this equipment shall not be used in lieu of using SWAT, [Special Weapons and Tactics (S.W.A.T.) Team].

The ROOK is a high-level, armored vehicle specially designed to house and transport SED, CINT, and TEMS personnel during a tactical operation. The ROOK may be deployed as a transport vehicle, to provide static or mobile ballistic protection, and therefore facilitate the safe evacuation of citizens, police, etc.

All SED specialty vehicles shall be stored inside the Special Operations Division / Air Operations Hangar when not in use, or as directed by the Tactical Commander or SED Team Leaders.

### **Training**

ROOK training for full-time and auxiliary SWAT officers includes lecture, familiarization, and driving.

## Command and Control Vehicles Built or Modified to Facilitate Operational Control and Direction of Public Safety Units

The Sacramento County Sheriff's Office acquired the following prior to January 1, 2022.

- Mobile Boking/ Mobile Command Trailer
- NOMAD TCV

## Mobile Booking/Mobile Command Vehicle

<b>QUANTITY</b>	1
<b>LIFESPAN</b>	Depends on use. Currently this vehicle is used infrequently.
<b>INITIAL COST</b>	No cost. Acquired through the 1033 program
<b>ANNUAL MAINTENANCE</b>	Depends on Use

### Description

Manufacturer's Website: Not available

2008 Wabash 53' Trailer

Department Vehicle 660-272 – VIN 1JJV532W98L093564

### Proposed Uses

This mobile command vehicle supports field personnel by providing mobile on-site platforms for command, control, and communications during terrorist attacks, natural disasters, national security events, and other similar occurrences. This vehicle also facilitates mobile booking for incidents that may involve mass arrests. Other uses include pre-planned or significant events, which require on-site planning and incident command personnel. This vehicle may be used to facilitate shelter for planning personnel during inclement weather.

### Rules of Use/Deployment

This vehicle is only deployed at the direction of the Special Operations Commander or Sheriff's Office Fleet Manager. Due to its size, this vehicle is deployed by drivers who receive vehicle training in accordance with the California Department of Motor Vehicles and only those who are appropriately licensed.

### Training

This vehicle required no POST mandated training. All drivers attend the appropriate training for operation in accordance with the California Department of Motor Vehicles.

## NOMAD Tactical Communications Vehicle (TCV)

QUANTITY	1
LIFESPAN	Unknown
INITIAL COST	\$479,455.58
ANNUAL MAINTENANCE	\$1500

### Description

2017 Ford 450 XLT

Department Vehicle Number: SSD-336 -- VIN 1FDUF4HT3HED71959

The NOMAD TCV is a mobile communications vehicle that is deployed and operated by a team of "Tactical Dispatchers" assigned to a Command Post environment. The onboard equipment is utilized by Sheriff's Dispatchers allowing them to perform their duties in the field with direct contact to Command Staff.

The NOMAD TCV is equipped with:

- Law Enforcement Radio Equipment to communicate with public safety entities in the region
- Sheriff's Dispatch Software and Map/GIS software
- Cellular and satellite internet connectivity
- Satellite and Terrestrial TV
- Command Post scene lighting/illumination
- CCTV for Command Post scene security
- Exterior mounted televisions for multi-media presentation

### Proposed Uses

The NOMAD Tactical Communications Vehicle (TCV) is deployed during major incidents that require a Tactical Dispatcher at an existing Command Post. Examples: Barricaded subject, Officer involved shootings, Natural disasters, Terrorist attacks, Mass evacuations, Civil unrest, Planned public events with high attendance, National security events such as Presidential visits.

### Rules of Use/Deployment

The NOMAD is only deployed with approval of the Special Operations Commander and/or the Sheriff's Fleet Manager. Any use outside the typical Command Post environment requires pre-approval. The NOMAD is deployed from the Sheriff's Communications Center and is not used for routine patrol or transportation.

### Training

Operating the vehicle does not require any special operator permits or licenses. However, basic EVOC training is a minimum requirement. Additionally, drivers are given multiple behind-the-wheel lessons to acclimate themselves to driving this unique vehicle. Using equipment associated to the NOMAD TCV requires extensive technical training. The complex computer software and radio equipment requires multiple training sessions.



## Weaponized Aircraft, Vessels, or Vehicles

The Sacramento County Sheriff's Office currently has no weaponized aircraft, vessels, or vehicles as defined.

## Battering Rams, Slugs, and Breaching Apparatuses that are Explosive in Nature

*Items designed to remove a lock, such as bolt cutters, or a handheld ram designed to be operated by one person, are specifically excluded from this subdivision.*

The Sacramento County Sheriff's Office acquired the following prior to January 1, 2022.

- Detonating cord
- Blasting Cap

## Detonating Cord

<b>QUANTITY</b>	750 Feet
<b>LIFESPAN</b>	Depending on usage
<b>INITIAL COST</b>	\$1 per foot
<b>ANNUAL MAINTENANCE</b>	Not applicable

### Description

The following explosive breaching components can be used by Bomb Technicians and specially trained SWAT personnel to craft a breaching charge to safely gain entry to a structure.

Detonating cord is a thin, flexible plastic tube usually filled with pentaerythritol tetranitrate (PETN). With the PETN exploding at a rate of approximately 6400 m/s, any common length of detonation cord appears to explode instantaneously. It is a high-speed fuse which explodes, rather than burns, and is suitable for detonating high explosives.

### Proposed Uses

Explosive breaching may be used to safely gain entry to a structure during tactical operations.

### Rules of Use, Training, Compliance

Explosive Breaching requires an FBI certified Bomb Technician who has also completed a departmentally approved Explosive Breaching Course. Explosive Breaching may only occur with authorization of the Incident Commander or SWAT Commander.

## Blasting Cap

<b>QUANTITY</b>	50
<b>LIFESPAN</b>	Consumable products with an expected shelf life of 10 years
<b>INITIAL COST</b>	\$12/unit
<b>ANNUAL MAINTENANCE</b>	Not applicable

### Description

A blasting cap is a small sensitive primary explosive device generally used to detonate a larger, more powerful and less sensitive secondary explosive such as TNT, dynamite, or plastic explosive. Blasting caps come in a variety of types, including non-electric caps, electric caps, and fuse caps.

### Proposed Uses

Explosive breaching may be used to safely gain entry to a structure during tactical operations.

### Rules of Use, Training, Compliance

Explosive Breaching requires an FBI certified Bomb Technician who has also completed a departmentally approved Explosive Breaching Course. Explosive Breaching may only occur with authorization of the Incident Commander or SWAT Commander.

## Firearms of .50 Caliber or Greater

*Standard issue shotguns and standard issue shotgun ammunition  
are excluded from this subdivision.*

The Sacramento County Sheriff's Office acquired the following prior to January 1, 2022.

- SEEKINS SP-10M .308 Caliber Rifle
- Sig Sauer 716G2
- Precision .50 Caliber Rifle

**PRECISION .308 CALIBER RIFLES**

Precision .308 caliber rifles are semi-automatic shoulder-fired long guns that use .308 caliber cartridges. The .308 cartridge is heavier than the 5.56/223 round used in standard Sheriff's Office patrol rifles. It may be used when there is potential to engage targets beyond the range of standard patrol rifles. The Sacramento Sheriff's Office currently deploys the following makes and models of precision .308 caliber rifles.

The SSO Range Unit maintains the following inventory of precision .308 caliber rifles.

**SEEKINS SP-10M**

<b>QUANTITY</b>	8
<b>LIFESPAN</b>	5 Years
<b>INITIAL COST</b>	\$5,000
<b>ANNUAL MAINTENANCE</b>	\$250

**Description**

Capabilities: Range 0-550 Yards.

This rifle is issued to specially trained SWAT personnel and is used to provide over watch during special operations and to address targets that may be behind barricades, wearing heavy armor, or beyond the range of standard patrol rifles.

**Proposed Uses**

Seekins SP-10M rifles are issued to specially trained SWAT team members.

**Rules of Use, Training & Compliance**

Seekins SP-10M rifles are issued to specially trained SWAT team members who must complete a POST approved Tactical Rifle Course, maintain departmentally required biannual qualifications, and comply with departmental orders including but not limited to the following:

- G.O. 2/01 Authorized Firearms and Ammunition
- G.O. 2/03 Firearms Training and Qualification
- G.O. 2/05 Use of Firearms
- G.O. 2/09 Purchase, Issuance and Inventory Control of Departmentally Owned Firearms
- G.O. 2/11 Use of Force

## Sig Sauer 716G2

<b>QUANTITY</b>	16
<b>LIFESPAN</b>	15 Years
<b>INITIAL COST</b>	\$1500/unit
<b>ANNUAL MAINTENANCE</b>	\$75/unit

### Description

This rifle is issued to authorized personnel assigned the Sheriff's Folsom Dam Bureau and is used to address targets that may be behind barricades, wearing heavy armor, or beyond the range of standard patrol rifles. This weapon complies with the special requirements of SSO's contract with the U.S. Bureau of Reclamation to provide infrastructure security to Folsom Dam.

### Proposed Uses

Sig Sauer 716G2 rifles are issued to trained and designated members of the Folsom Dam Security Bureau.

### Rules of Use, Training and Compliance

SSO personnel must complete a POST approved Tactical Rifle Course, maintain departmentally required biannual qualifications, and comply with departmental orders including but not limited to the following;

- G.O. 2/01 Authorized Firearms and Ammunition
- G.O. 2/03 Firearms Training and Qualification
- G.O. 2/05 Use of Firearms
- G.O. 2/09 Purchase, Issuance and Inventory Control of Departmentally Owned Firearms
- G.O. 2/11 Use of Force

## Precision .50 Caliber Rifle

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<b>QUANTITY</b>	1
<b>LIFESPAN</b>	5 Years
<b>INITIAL COST</b>	\$5000
<b>ANNUAL MAINTENANCE</b>	\$250

### Description

Manufacturer's Website: <https://barrett.net/products/firearms/model-82a1/>

The Barrett M82A1 precision .50 caliber rifle fires a heavier round than the patrol rifle or precision .308 rifle. It is utilized when there is a potential need to engage an armored target further away than the capabilities of other issued rifles or to engage a target behind a heavy barrier such as thick metal.

Capabilities: Range 0-1000 Yards.

### Proposed Uses

This weapon is utilized only by specially trained SWAT team members.

### Rules of Use, Training, Compliance

Designated SWAT personnel must complete a POST approved Tactical Rifle Course, maintain departmentally required biannual qualifications, comply with departmental orders including but not limited to the following:

- G.O. 2/01 Authorized Firearms and Ammunition
- G.O. 2/03 Firearms Training and Qualification
- G.O. 2/05 Use of Firearms
- G.O. 2/09 Purchase, Issuance and Inventory Control of Departmentally Owned Firearms
- G.O. 2/11 Use of Force

## Ammunition of .50 Caliber or Greater

*Standard issue shotgun ammunition is excluded from this subdivision.*

The Sacramento County Sheriff's Office acquired the following prior to January 1, 2022.

- Federal 9mm Luger 147 Grain HST Duty Ammunition
- Hornady TAP ELD- Match 168 Grain AR Sniper .308 Duty Ammunition
- Hornady TAP ELD- Match 168 Grain Heavy Barrier Sniper .308 Duty Ammunition
- Hornady A-Max Match 750 Grain 50 BMG Ammunition



## Federal 9mm Luger 147 Grain HST Duty Ammunition

<b>QUANTITY</b>	
<b>LIFESPAN</b>	Until expired
<b>INITIAL COST</b>	
<b>ANNUAL MAINTENANCE</b>	

### Description

Item is controlled by SSO Range Staff

**Federal HST Law Enforcement 9mm Luger Ammo 147 Grain Jacketed Hollow Point ammo review** offers the following information; This 9mm ammo load features nickel plated brass casings and non-corrosive primers. If you are looking for the best personal protection 9mm ammo on the market offered by the world known ammunition company Federal Premium, this HST 9mm ammo load is it. Federal 9mm HST ammo is a limited supply item, and normally only available to law enforcement, however we were able to make a special purchase on a small lot available that we can sell to all of our customers. This is one of the finest types of high-quality hollow point 9 caliber ammunition available at a low price per round because of the discounted 50 round packaging, a much better deal than the 20 round boxes made for consumer sales. The next generation in high performance duty ammunition HST offers consistent expansion and optimum penetration for terminal performance. A specially designed hollow-point tip won't plug while passing through a variety of barriers and this bullet holds its jacket in the toughest conditions HST is engineered to provide 100% weight retention through most barriers and impressive expansion. 9mm Luger ammo by Federal is a new production, non-corrosive, reloadable, features nickel plated brass cases and Boxer primers. This is top of the line, American-made defense ammo made by ATK. Federal Law Enforcement ammo by Federal is packaged in boxes of 50 rounds and cases of 1000. Order a case of Federal LE 9mm HST bulk ammo, receive free shipping.

MPN	P9HST2
UPC	029465094447
Manufacturer	<b>FEDERAL AMMO</b>
Caliber	<b>9MM LUGER AMMO</b>
Bullet Type	Jacketed Hollow Point
Muzzle Velocity	1000 fps

Muzzle Energy	326 ft. lbs
Primer	Boxer
Casing	Nickel Plated Brass Casing
Ammo Rating	Self-Defense and Personal Protection 9mm Luger Ammo

## Hornady TAP ELD- Match 168 Grain AR Sniper .308 Duty Ammunition

QUANTITY	20,000 rounds
LIFESPAN	Until Expired
INITIAL COST	\$1.05/round
ANNUAL MAINTENANCE	Replacement as used

### Description

SED stores approximately 1000 rounds.

Designed specifically for the 308 AR-10 platform and its variants, the resilient tip of the ELD Match bullet aids in reliable feed and function, and the propellant is specifically tailored to efficiently operate in the AR-10. The 168 gr. ELD® Match bullet with Heat Shield® tip delivers the excellent terminal performance TAP Precision® is known for, but features a resilient, heat resistant polymer tip that improves the ballistic coefficient, resulting in higher impact velocities, less drop, less wind drift, and more energy on target.

## Hornady TAP ELD- Match 168 Grain Heavy Barrier Sniper .308 Duty Ammunition

QUANTITY	5000 Rounds
LIFESPAN	Until expired
INITIAL COST	\$1.52/round
ANNUAL MAINTENANCE	Replacement as used

### Description

SED stores approximately 200 rounds.

TAP® Heavy Barrier is loaded with a GMX® TAP® Heavy Barrier monolithic copper alloy bullet, it shoots cleaner than pure copper, fouls less and delivers devastating terminal performance. The

GMX® bullet penetrates heavy barriers such as 1-inch laminated glass with exceptional weight retention while still delivering superior terminal performance. NOTE: Not recommended for use where over-penetration may be a concern.

## **Hornady A-Max Match 750 Grain 50 BMG Ammunition**

<b>QUANTITY</b>	1000 rounds
<b>LIFESPAN</b>	Until expired
<b>INITIAL COST</b>	\$8.99/round
<b>ANNUAL MAINTENANCE</b>	

### **Description**

Carefully selected components to ensure uniformity, then loaded to exacting specifications to provide pinpoint accuracy. Each cartridge is loaded with either Hornady® A-MAX® bullets, our high-performance boat tail hollow points, or the new, radically superior ELD® Match bullets. Stringent quality control ensures proper bullet seating, consistent charges and pressures, optimal velocity, consistent overall length and repeatable accuracy.

## Specialized Firearms and Ammunition of Less Than .50 caliber

Includes assault weapons as defined in Sections 30510 and 30515 of the Penal Code.

This subdivision specifically excludes standard issue service weapons and ammunition of less than .50 caliber issued to officers, agents, or employees of a law enforcement agency or a state agency.

The Sacramento County Sheriff's Office (SSO) acquired the following prior to January 1, 2022.

- Colt LE6946CQB
- Daniel Defense DDM4
- Speer Gold Dot Soft Point .223 Caliber 55 Grain Rifle Round

**CARBINE RIFLES**

Description: The Carbine Rifle is a firearm, capable of accurately stopping an armed subject at various distances. The Carbine Rifle is a lightweight, air-cooled, gas operated, magazine fed, shoulder fired weapon, designed for semi-automatic and selective fire.

Type and Quantity: The SSO Range Unit maintains the following inventory of carbine rifles.

**Colt LE6946CQB**

<b>QUANTITY</b>	26
<b>LIFESPAN</b>	20 years
<b>INITIAL COST</b>	\$2067/unit
<b>ANNUAL MAINTENANCE</b>	\$250/unit

**Description**

Manufacturer's Website: <https://www.armalite.com/Armalite/Home>

The AR-15 A2 is one of the most classic and versatile rifles ever produced by Armalite. This no-frills, ultra-utilitarian AR-platform is an excellent choice for applications that call for a weapon with compact overall length yet still retains close quarters accuracy. Flattop Picatinny rails are located on the receiver and gas block allowing for the installation of sights, scopes, optics and accessories. Its tactical 2-stage trigger has a first stage of 3.5lbs and a second stage set to approximately 5-6lbs. The mid-length handguard and gas tube are designed by Armalite and provide an ideal gas pulse to cycle the action, ensuring reliability is never an issue.

**Proposed Uses**

This rifle is issued to specially trained SWAT personnel. It provides full 5.56mm power and accuracy in a very compact sub-machine gun size weapon, the LE6946CQB is often chosen over smaller less powerful sub-machine guns. Regardless of the application this weapon system provides the superior qualities that will enable operators to accomplish an increasingly wide range of tasks.

Capabilities: Range 0-250 Yards.

**Rules of Use, Training and Compliance**

Colt LE6946CQB rifles are issued to specially trained SWAT team members who must complete a POST approved Tactical Rifle Course, maintain departmentally required biannual qualifications, and comply with departmental orders including but not limited to the following:

- G.O. 2/01 Authorized Firearms and Ammunition
- G.O. 2/03 Firearms Training and Qualification
- G.O. 2/05 Use of Firearms
- G.O. 2/09 Purchase, Issuance and Inventory Control of Departmentally Owned Firearms
- G.O. 2/11 Use of Force

## Daniel Defense DDM4

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<b>QUANTITY</b>	18
<b>LIFESPAN</b>	20 years
<b>INITIAL COST</b>	\$1775/unit
<b>ANNUAL MAINTENANCE</b>	\$250/unit

### Description

Manufacturer's Website: <https://danieldefense.com/ddm4-v7.html>

The DDM4 V7 AR15 style firearm features M-LOK attachment technology with the Daniel Defense MFR 15.0 rail. Built around a Cold Hammer Forged, 16-inch barrel, the V7 has a DD improved Flash Suppressor to reduce flash signature. The mid-length gas system provides smooth and reliable cycling under any condition and reduces both perceived recoil and wear on moving parts. With the M-LOK attachment points that run along 7 positions and an uninterrupted 1913 Picatinny rail on top, the V7 has plenty of room for the sights, optics, and accessories the user may require. The independently ambi GRIP-N-RIP Charging Handle accommodates left- and right-handed shooters. This rifle also comes with the ergonomic Daniel Defense Buttstock and Pistol Grip.<sup>1</sup>

### Proposed Uses

This rifle is issued to specially trained SWAT personnel. The DDM4 V7S AR15 style firearm features the MFR 10.0 M-LOK rail and is built around a free-floating, Cold Hammer Forged 11.5-inch barrel. The V7S delivers optimal maneuverability, reliability, accuracy, and terminal ballistics using a wide variety of ammunition. Its carbine length gas system provides smooth and reliable cycling under harsh conditions and reduces perceived recoil.

Capabilities: Range 0-250 Yards.

### Rules of Use, Training and Compliance

Daniel Defense DDM4 V7 rifles are issued to specially trained SWAT team members who must complete a POST approved Tactical Rifle Course, maintain departmentally required biannual qualifications, and comply with departmental orders including but not limited to the following:

- G.O. 2/01 Authorized Firearms and Ammunition
- G.O. 2/03 Firearms Training and Qualification
- G.O. 2/05 Use of Firearms
- G.O. 2/09 Purchase, Issuance and Inventory Control of Departmentally Owned Firearms
- G.O. 2/11 Use of Force

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<sup>1</sup> Text from manufacturer's website

## **Speer Gold Dot Soft Point .223 Caliber 55 Grain Rifle Round**

<b>QUANTITY</b>	2000 cases
<b>LIFESPAN</b>	
<b>INITIAL COST</b>	\$223 per case of 500
<b>ANNUAL MAINTENANCE</b>	Replenishment as needed

### **Description**

Manufacturer's Website: <https://www.speer.com/>

Remington ammo made by Speer is reloadable, features nickel plated brass cases and Boxer primers and this is a non-corrosive round. The Gold Dot LE ammunition goes through a process of joining the jacket and core one molecule at a time, thanks to this Speer eradicates the potential for the leading cause of bullet failure (jacket/core separation). This process will guarantee extraordinary weight retention through barriers as strong as auto-glass. In addition to its remarkable strength, Gold Dot rifle ammunition asserts remarkable accuracy. With exact tolerances and unparalleled bullet uniformity of jacket thickness.

## Any Firearm or Firearm Accessory that is Designed to Launch Explosive Projectiles

The Sacramento County Sheriff's Office currently has no firearms or firearm accessories that are designed to launch explosive projectiles.



## “Flashbang” Grenades and Explosive Breaching Tools, “Tear Gas,” and “Pepper Balls”

*Standard, service-issued handheld pepper spray is excluded from this subdivision.*

The Sacramento County Sheriff's Office acquired the following prior to January 1, 2022.

- CTS 7290M Mini Flash-Bang (Diversionary Device)
- CTS Ferret 40 MM Liquid Barricade Penetrator Round, CS (Model 4330)
- CTS Pyro CS Grenade - Baffled (Model 5230B)
- CTS Pyro CS Grenade (Model 5230)
- CTS Pyro CS Grenade (Model 8230)
- CTS OC Vapor Aerosol Grenade (Model 6340)
- CTS CS Vapor Aerosol Grenade (Model 6330)
- CTS OC/CS Vapor Aerosol Grenade (Model 6343)
- CTS CS Expulsion Grenade (Model 5430)
- CTS OC Expulsion Grenade (Model 5440)
- CTS CS Jet-Lite Rubber Handball Grenade (Model 9230)
- Defense Technology CS Handball Grenade (Model 1092)
- Defense Technology CS Barricade Penetrator (Model 2262)
- Defense Technology First Defense 1.3% MK-9 Fogger OC Aerosol (Model 43953)
- Defense Technology First Defense 1.3% MK-9 Stream OC Aerosol (Model 56895)
- CTS Sting-Ball Grenade (Model 9590)
- CTS Sting-Ball Grenade with CS Agent (Model 9593)
- CTS CS Tear-Ball Grenade (Model 9430)
- CTS Triple Phaser CS Smoke Grenade (Model 5231)
- CTS White Smoke Grenade (Model 6210)
- Pepper Ball VKS Launcher and Ammunition
- Pepper Ball VXR Live-X Projectile

**Rules of Use for Chemical Agents**

This section describes the many different forms of chemical agents. This information applies to all of the items in this category.

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority. Several SWAT operators are cross trained as chemical agent instructors to provide them with the expertise to properly deploy chemical agents. It is not necessary to be a chemical agent instructor to use these munitions.

**General Rules (deploying chemical agents into a building).****A. Chemical agent plan**

1. Preferably chemical agent instructor conducts a scout of the building
2. If possible, conduct a walk-through of a similar house nearby. This is frequently possible in tract neighborhoods
3. Identify cover officers
4. Identify the number of launchers to be used
5. Identify areas to deploy agent from and what type of munitions you will deploy from that location
6. Determine sequence you want to deploy gas in
  - i. You may want to deploy gas on one side of house before another
  - ii. Work systematically to deny areas to the suspect and to push them where you want them to go
7. Present the plan to the team leader and IC
  - i. Plans should be consistent with LCT50 concentration levels
  - ii. The goal of the gas plan is to force the suspect out, so use appropriate amount of agent to accomplish this goal
  - iii. Explain the plan, deployment locations, sequence and reasons for the munitions and amounts

## CTS 7290M Mini Flash-Bang (Diversionary Device)

<b>QUANTITY</b>	480
<b>LIFESPAN</b>	Until used
<b>INITIAL COST</b>	\$39/unit
<b>ANNUAL MAINTENANCE</b>	\$1500

### Description

The CTS 7290M Mini Flash-Bang is the newest generation in the evolution of the Flash-Bang, with the 7290 being the larger bodied version. Our Model 7290M Flash-Bang exhibits all of the same attributes of its larger counterpart but in a smaller and lighter package. Weighing in at just 15 ounces the new 7290M is approximately 30% lighter than the 7290 but still has the same 175db output of the 7290 and produces 6-8 million candelas of light. The patented design of the 7290M, incorporates a porting system that eliminates movement of the body at detonation even if the top or bottom of the device should be in contact with a hard surface. In addition, internal adjustments have greatly reduced smoke output. The reason to use this device is to produce atmospheric over-pressure and brilliant white light and, as a result, can cause short-term (6 - 8 seconds) physiological/psychological sensory deprivation to give officers a tactical advantage.

### Proposed Uses

Flash-Bang devices are used during training and tactical events when a diversion or distraction are believed to be an effective tool to bring an event to a safe resolution.

### Rules of Use

Operations Orders 2/04 and 2/05

### Training and Compliance

SWAT personnel receive training internally when they transfer to the unit as well as POST certified in-class training. Additional training will be completed annually to re-certify members of the SWAT team in the use and deployment of the Flash-Bang devices. Non-SWAT personnel attend a POST certified class in the use and deployment of the Flash-Bang device.

## CTS Ferret 40 MM Liquid Barricade Penetrator Round, CS (Model 4330)

QUANTITY	250
LIFESPAN	5 years
INITIAL COST	\$33/unit
ANNUAL MAINTENANCE	\$1500

### Description

Liquid CS filled projectile penetrates intermediate barriers and delivers irritant agents into an adjacent room.

Effectiveness is dependent upon the type of weapon, angle of impact, environmental conditions, and the type of the intermediate barrier. The greatest probability for penetration occurs when the projectile impacts 90° perpendicular to the intermediate barrier. General usage in tactical situations involves intermediate barriers, such as single pane exterior windows, vehicle windows, pressed wood particle doors, 1-2 layers of wallboard, and interior hollow core doors.

### Proposed Uses

Used to assist member of the SWAT team to bring a dangerous event to a safe resolution.

### Rules of Use

Operations Orders 2/04 and 2/05

### Training and Compliance

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

## CTS Pyro CS Grenade - Baffled (Model 5230B)

QUANTITY	225
LIFESPAN	5 years
INITIAL COST	\$51/unit
ANNUAL MAINTENANCE	\$2500

### Description

The CS Pyro Grenade is a compact, chemical agent device that provides safe expulsion with minimal risk of fire. It is safe to use inside of a residence. This grenade is 6.2 in. by 2.6 in. and delivers approximately 25 grams of active agent during its 20-40 second discharge time.

### Proposed Uses

Used to assist member of the SWAT team to bring a dangerous event to a safe resolution.

### Rules of Use

Operations Orders 2/04 and 2/05

### Training and Compliance

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

## CTS Pyro CS Grenade (Model 5230)

QUANTITY	245
LIFESPAN	5 Years
INITIAL COST	\$53/unit
ANNUAL MAINTENANCE	\$2500

### Description

The CS Pyro Grenade is a compact, chemical agent device that provides safe expulsion with minimal risk of fire. It is safe to use inside of a residence. This grenade is 6.2 in. by 2.6 in. and delivers approximately 100 grams of active agent during its 20-40 second discharge time.

### Proposed Uses

Used to assist member of the SWAT team to bring a dangerous event to a safe resolution.

### Rules of Use

Operations Orders 2/04 and 2/05

**Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

**CTS Pyro CS Grenade (Model 8230)**

<b>QUANTITY</b>	175
<b>LIFESPAN</b>	5 Years
<b>INITIAL COST</b>	\$35/unit
<b>ANNUAL MAINTENANCE</b>	\$2000

**Description**

The CS Pyro Grenade mini is a compact, chemical agent device that provides safe expulsion with minimal risk of fire. It is safe to use inside of a residence. This grenade is 4.9 in. by 1.4 in. and delivers approximately 25 grams of active agent during its 20-40 second discharge time.

**Proposed Uses**

Used to assist member of the SWAT team to being a dangerous event to a safe resolution.

**Rules of Use**

Operations Orders 2/04 and 2/05

**Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

**CTS OC Vapor Aerosol Grenade (Model 6340)**

<b>QUANTITY</b>	150
<b>LIFESPAN</b>	5 Years
<b>INITIAL COST</b>	\$52/unit
<b>ANNUAL MAINTENANCE</b>	\$1500

**Description**

The CTS OC Vapor Aerosol Grenade is for law enforcement and corrections use to deliver a high concentration of Oleoresin Capsicum (OC) in a powerful mist. The grenade is designed for indoor-use in confined areas and, once deployed, inflames the mucous membranes and

exposed skin resulting in an intense burning sensation. The incapacitating effect of the OC Vapor on the subject is dramatic, yet requires minimal decontamination. Removing the subject from the affected area to fresh air will resolve respiratory effects within minutes. The OC Vapor Aerosol Grenade is ideal for cell extractions or barricade situations where the use of pyrotechnic, powder or liquid devices is not practical or desired.

#### **Proposed Uses**

Used to assist member of the SWAT team to being a dangerous event to a safe resolution.

#### **Rules of Use**

Operations Orders 2/04 and 2/05

#### **Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

### **CTS CS Vapor Aerosol Grenade (Model 6330)**

<b>QUANTITY</b>	150
<b>LIFESPAN</b>	5 Years
<b>INITIAL COST</b>	\$51/unit
<b>ANNUAL MAINTENANCE</b>	\$1500

#### **Description**

The CTS CS Vapor Aerosol Grenade is for law enforcement and corrections use to deliver a high concentration of CS in a powerful mist. A unique grenade delivering an invisible vapor and rendering an intense respiratory effect. Provides best results when used indoors and requires no personal decontamination.

#### **Proposed Uses**

Used to assist member of the SWAT team to being a dangerous event to a safe resolution.

#### **Rules of Use**

Operations Orders 2/04 and 2/05

#### **Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

## CTS OC/CS Vapor Aerosol Grenade (Model 6343)

QUANTITY	130
LIFESPAN	5 Years
INITIAL COST	\$55.80/unit
ANNUAL MAINTENANCE	\$1000

### Description

The CTS OC/CS Vapor Aerosol Grenade is for law enforcement and corrections use to deliver a high concentration of CS and OC chemicals agents in a powerful mist. A unique grenade delivering an invisible vapor and rendering an intense respiratory effect. Provides best results when used indoors and requires no personal decontamination.

### Proposed Uses

Used to assist member of the SWAT team to being a dangerous event to a safe resolution.

### Rules of Use

Operations Orders 2/04 and 2/05

### Training and Compliance

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

## CTS CS Expulsion Grenade (Model 5430)

QUANTITY	95
LIFESPAN	5 Years
INITIAL COST	\$59.90/unit
ANNUAL MAINTENANCE	\$1000

### Description

The CTS CS Expulsion Grenade is for law enforcement and corrections use to deliver a high concentration of CS chemical agent in a powder payload. Provides best results when used indoors.

### Proposed Uses

Used to assist member of the SWAT team to being a dangerous event to a safe resolution.



**Rules of Use**

Operations Orders 2/04 and 2/05

**Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

**CTS OC Expulsion Grenade (Model 5440)**

<b>QUANTITY</b>	80
<b>LIFESPAN</b>	5 Years
<b>INITIAL COST</b>	\$59.90/unit
<b>ANNUAL MAINTENANCE</b>	\$1000

**Description**

The CTS OC Expulsion Grenade is for law enforcement and corrections use to deliver a high concentration of OC chemical agent in a powder payload. Provides best results when used indoors.

**Proposed Uses**

Used to assist member of the SWAT team to being a dangerous event to a safe resolution.

**Rules of Use**

Operations Orders 2/04 and 2/05

**Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

## CTS CS Jet-Lite Rubber Handball Grenade (Model 9230)

QUANTITY	25
LIFESPAN	5 Years
INITIAL COST	\$35.47/unit
ANNUAL MAINTENANCE	\$750

### Description

The 9230 CS Jet-Lite Rubber Ball Grenade is one of the smaller diameters burning grenades that discharges a high volume of chemical agents through multiple emission ports. Specifically for outdoor use and should not be deployed from rooftops, in crawl spaces or indoors due to fire producing capability. Can be hand thrown or launched.

### Proposed Uses

Used to assist member of the SWAT team to being a dangerous event to a safe resolution.

### Rules of Use

Operations Orders 2/04 and 2/05

### Training and Compliance

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

## Defense Technology CS Han-ball Grenade (Model 1092)

QUANTITY	58
LIFESPAN	5 Years
INITIAL COST	\$56.45/unit
ANNUAL MAINTENANCE	\$750

### Description

The Han-Ball™ CS Grenade expels its payload in approximately 10-25 seconds. The rubber ball round has an overall size of 4.8 in. tall, including the fuse head, and 3.1 in. diameter. This launchable grenade holds approximately 0.29 oz. of active agent. The Han-Ball™ CS Grenade is a fast burning, high volume continuous discharge grenade.

### Proposed Uses

Used to assist member of the SWAT team to being a dangerous event to a safe resolution.

**Rules of Use**

Operations Orders 2/04 and 2/05

**Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

**Defense Technology CS Barricade Penetrator (Model 2262)**

<b>QUANTITY</b>	58
<b>LIFESPAN</b>	5 Years
<b>INITIAL COST</b>	\$27.00/unit
<b>ANNUAL MAINTENANCE</b>	\$500

**Description**

Liquid CS filled projectile penetrates intermediate barriers and delivers irritant agents into an adjacent room.

Effectiveness is dependent upon the type of weapon, angle of impact, environmental conditions, and the type of the intermediate barrier. The greatest probability for penetration occurs when the projectile impacts 90° perpendicular to the intermediate barrier. General usage in tactical situations involves intermediate barriers, such as single pane exterior windows, vehicle windows, pressed wood particle doors, 1-2 layers of wallboard, and interior hollow core doors.

**Proposed Uses**

Used to assist member of the SWAT team to being a dangerous event to a safe resolution.

**Rules of Use**

Operations Orders 2/04 and 2/05

**Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

## Defense Technology First Defense 1.3% MK-9 Fogger OC Aerosol (Model 43953)

QUANTITY	50
LIFESPAN	5 Years
INITIAL COST	\$58.50/unit
ANNUAL MAINTENANCE	\$1500

### Description

The MK-9 features an easy to use trigger handle, is intended for use in crowd management and will deliver 14 short bursts of OC at an effective range of 18-20 ft. This 1.3% MC OC aerosol product utilizes a cone or fogger delivery method providing a wide spray pattern for easier target acquisition.

### Proposed Uses

Used to assist member of the SWAT team to being a dangerous event to a safe resolution.

### Rules of Use

Operations Orders 2/04 and 2/05

### Training and Compliance

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

## Defense Technology First Defense 1.3% MK-9 Stream OC Aerosol (Model 56895)

QUANTITY	50
LIFESPAN	5 Years
INITIAL COST	\$59.10/unit
ANNUAL MAINTENANCE	\$1500

### Description

The MK-9 features an easy to use trigger handle, is intended for use in crowd management and will deliver 14 short bursts of OC at an effective range of 18-20 ft. This 1.3% MC OC aerosol product utilizes a stream delivery method providing a target-specific, strong concentrated stream for greater standoff.

**Proposed Uses**

Used to assist member of the SWAT team to being a dangerous event to a safe resolution.

**Rules of Use**

Operations Orders 2/04 and 2/05

**Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

**CTS Sting-Ball Grenade (Model 9590)**

<b>QUANTITY</b>	75
<b>LIFESPAN</b>	5 Years
<b>INITIAL COST</b>	\$65.30/unit
<b>ANNUAL MAINTENANCE</b>	\$1000

**Description**

Multi-effect grenades with a loud blast, bright flash and dispersion of stinging .31 caliber pellets. Can also be configured to dispense an instantaneous cloud of irritant powder.

**Proposed Uses**

Used to assist member of the SWAT team to being a dangerous event to a safe resolution.

**Rules of Use**

Operations Orders 2/04 and 2/05

**Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

## CTS Sting-Ball Grenade with CS Agent (Model 9593)

QUANTITY	70
LIFESPAN	5 Years
INITIAL COST	\$68.30/unit
ANNUAL MAINTENANCE	\$1000

### Description

Multi-effect grenades with a loud blast, bright flash and dispersion of stinging .31 caliber pellets. Device is configured to dispense an instantaneous cloud of CS irritant powder.

### Proposed Uses

Used to assist member of the SWAT team to bring a dangerous event to a safe resolution.

### Rules of Use

Operations Orders 2/04 and 2/05

### Training and Compliance

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

## CTS CS Tear-Ball Grenade (Model 9430)

QUANTITY	50
LIFESPAN	5 Years
INITIAL COST	\$63.30/unit
ANNUAL MAINTENANCE	\$750

### Description

Tear Ball Grenades are explosive "rubber-ball" style grenades that upon initiation eject a powder payload of CS, CN, OC or talc into a radius surrounding the device. Tear Balls are primarily used for crowd control in indoor and outdoor situations.

### Proposed Uses

Used to assist member of the SWAT team to bring a dangerous event to a safe resolution.

### Rules of Use

Operations Orders 2/04 and 2/05

**Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

**CTS Triple Phaser CS Smoke Grenade (Model 5231)**

<b>QUANTITY</b>	65
<b>LIFESPAN</b>	5 Years
<b>INITIAL COST</b>	\$64.60/unit
<b>ANNUAL MAINTENANCE</b>	\$1000

**Description**

CS Triple Phaser canister grenade is a large diameter grenade consisting of 3 separate aluminum canisters pressed together with separate charges between each canister. When deployed, the grenade will separate over a broad space to give a wider area of coverage. Can be launched or thrown.

**Proposed Uses**

Used to assist member of the SWAT team to bring a dangerous event to a safe resolution.

**Rules of Use**

Operations Orders 2/04 and 2/05

**Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

**CTS White Smoke Grenade (Model 6210)**

<b>QUANTITY</b>	50
<b>LIFESPAN</b>	5 Years
<b>INITIAL COST</b>	\$50.25/unit
<b>ANNUAL MAINTENANCE</b>	\$750

**Description**

White outdoor smoke grenades are used for obscuring tactical movement and signaling or marking a landing zone.

**Proposed Uses**

Used to assist member of the SWAT team to bring a dangerous event to a safe resolution.

**Rules of Use**

Operations Orders 2/04 and 2/05

**Training and Compliance**

SWAT operators who utilize these munitions have been through and successfully completed a POST approved gas school and/or trained in house by POST certified chemical agent instructors. Non-SWAT personnel attend a POST certified class in the use and deployment of the above-mentioned device.

**Pepper Ball VKS Launcher**

<b>QUANTITY</b>	8
<b>LIFESPAN</b>	20 Years
<b>INITIAL COST</b>	\$850/unit
<b>ANNUAL MAINTENANCE</b>	\$100

**Description**

The Pepper Ball launcher is a carbon dioxide (CO2) powered device designed to fire non-lethal Pepper Ball projectiles. They may be used in crowd control and Mobile Field Force situations to limit the escalation of conflict where employment of lethal force is prohibited or undesirable.

Type: The SSO Range Unit maintains an inventory of 8 Pepper Ball VKS Launchers. These launchers are not classified as firearms and are described as non-lethal by the manufacturer.

Capabilities: Pepper ball launchers are designed to deliver less lethal Pepper Ball projectiles for the purpose of incapacitating, immobilizing, or stunning a human being through the infliction of a less than lethal impairment of physical condition, function, or senses, including physical pain or discomfort. This device provides officers with an additional less than lethal option when attempting to bring a dangerous and unlawful incident under control. The range of the weapon system helps to maintain space between officers and a suspect reducing the immediacy of the threat which is a principle of de-escalation.

**Proposed Uses**

Pepper Ball launchers may be utilized by trained SWAT and Mobile Field Force personnel in crowd control and Mobile Field Force Deployments.

**Rules of Use, Training and Compliance**

SSO personnel must complete a POST approved Less Lethal Weapon/Munitions MFF Course, maintain departmentally required qualifications, and comply with departmental orders including but not limited to the following;

G.O. 2/08      Use of Oleoresin Capsicum (O.C.)



G.O. 2/11 Use of Force

G.O. 2/15 Less Lethal Force Weapons

## Pepper Ball VXR Live-X Projectile

<b>QUANTITY</b>	12,000
<b>LIFESPAN</b>	Until expired
<b>INITIAL COST</b>	\$3/unit
<b>ANNUAL MAINTENANCE</b>	Replacement as used

### Description

The VXR Live-X Projectile is a non-lethal round. The projectile contains approximately 10x the PAVA of the VXR LIVE projectile. This projectile is best for direct impact or area saturation. Discharged from a Pepper Ball Launcher, the projectile has a velocity of 280-425 FPS. The projectile has a direct impact of 150ft and an area of saturation of 390+ft. The projectile contains 2.5% PAVA powder.

**Uses, Training, Compliance** As described for Pepper ball launcher above

## TASER® Shockwave, Microwave Weapons, Water Cannon, and Long-Range Acoustic Device (LRAD)

The Sacramento County Sheriff's Office acquired the following prior to January 1, 2022.

- Long Range Acoustic Device (LRAD) 100X
- American Tech LRAD 1000

## LRAD Long Range Acoustical Device D100X

QUANTITY	4
LIFESPAN	10 years
INITIAL COST	All 4 devices purchased as a bundle in 2012 for \$65,822.36
ANNUAL MAINTENANCE	\$100

### Description

Manufacturer's Website: <https://genasys.com/lrad-solutions/law-enforcement/>

LRAD is law enforcement's communication systems of choice throughout the world, including in more than 500 U.S. cities. LRAD systems are fundamentally changing the way law enforcement agencies conduct everyday duties and elevated risk operations to protect the public and safeguard police officers.

Bullhorns, megaphones and mobile public address systems have limited intelligibility and minimal broadcast range, creating significant communications challenges. LRAD systems ensure law enforcement's warning commands, and instructions are clearly heard and understood.

### Proposed Uses

The LRAD is a communication device that allows the user to focus a broadcast at a specific person, group, structure, or area similar to how a spotlight focuses light when compared to a flood light. LRAD voice broadcast systems are louder and significantly more intelligible than bullhorns and vehicle PA systems. LRAD systems ensure law enforcement's warning, commands, and instructions are clearly heard and understood.

The LRAD is used on a weekly basis in the service of high-risk search warrants where Critical Incident Negotiations Team (CINT) members call the occupants out of a residence. This use of de-escalation lessens the chance of a force on force encounter between a suspect, officer, and citizens.

The LRAD is also used during protests activities to give warnings prior to arrest and to give instructions on avenues of egress prior to any arrests as required by section 726 of the Penal Code.

The LRAD can also be used in the event of a civil disaster such as a flood or fire to ensure that citizens are notified of potential harm.

Capabilities: 140 decibels max range 600m

### Rules of Use

The Sacramento County Sheriff's Office may deploy and use the LRAD to maximize the safety of all individuals involved in an incident.

DEFINITION – Long Range Acoustical Device (LRAD) - A high intensity directional acoustical array for long range, crystal clear hailing, notification, and an unmistakable warning tone. The LRAD is primarily used as a communication device.

**B. GENERAL**

The LRAD shall only be used by officers trained in its deployment and used in a manner consistent with Department policy and training.

**C. COMMUNICATION**

The LRAD may be used to issue dispersal orders during crowd and riot control situations or to address the public in the event of a. Civil emergencies. b. Natural disasters. c. Evacuations. d. Police incidents (e.g., missing persons, perimeters for wanted suspects, K9 deployments, etc.).

The LRAD device may be used by law enforcement negotiators to initiate contact with a subject when other forms of communications are not practical or not working.

**D. WARNING DETERRENT ZONE**

1. The LRAD tone function is a safe deterrent for use against hostile crowds or individuals.
2. The tone function shall only be used when authorized by an incident supervisor. The Marine Unit may utilize the warning tone at the discretion of the patrol boat operators to gain attention and compliance on the region's waterways.
3. When authorized for use in the field, the tone function may be used a. In short durations. b. To gain immediate attention of persons, vessels or other vehicles. c. As a distraction. d. As needed during SWAT operations. e. For other reasons determined by the incident commander.
4. All officers in the immediate proximity of the LRAD for a prolonged period of time should wear ear protection. 5. Advance notification should be provided to perimeter officers prior to activating the warning tone.

**Training:**

SWAT, Marine, and CINT personnel are trained in its usage by their respective units.

## American Tech LRAD 1000X

<b>QUANTITY</b>	2
<b>LIFESPAN</b>	Purchased in 2008
<b>INITIAL COST</b>	\$41,785/unit
<b>ANNUAL MAINTENANCE</b>	

### Description

Manufacturer's Website: <https://genasys.com/lrad-solutions/maritime-safety/>

The superior voice intelligibility and clarity of the LRAD 1000X provides powerful broadcasts that achieve maximum sound projection and penetration beyond 3,000 meters. The extended frequency range of the LRAD-X ensures voice commands will be clearly understood.

The LRAD 1000X uses directionality and focused acoustic output to clearly transmit critical information, instructions and warnings up to distances of 3,000 meters in many environments. Through the use of powerful voice commands and deterrent tones, large safety zones can be created while determining the intent and influencing the behavior of an intruder. LRAD 1000X was selected and is being used by the U.S. Navy on their Shipboard Protection System.

### Proposed Uses

These large LRAD devices are mounted atop Folsom Dam. They are used by Folsom Dam Bureau law enforcement personnel to communicate with boaters on the lake and visitors on the shore.

### Training

Folsom Dam Bureau personnel are trained in its usage by their respective units.

### Ensuring Compliance

## Projectile Launch Platforms and Their Associated Munitions

*Includes 40mm projectile launchers, "bean bag," rubber bullet,  
and specialty impact munition (SIM) weapons*

The Sacramento County Sheriff's Office acquired the following prior to January 1, 2022.

- Remington 870 Less Lethal Shotgun
- 40 MM Single Launchers
- 40 MM Multi- Launchers

## Remington 870 Less Lethal Shotgun

<b>QUANTITY</b>	587
<b>LIFESPAN</b>	25 Years
<b>INITIAL COST</b>	\$750/unit
<b>ANNUAL MAINTENANCE</b>	\$50

### Description

Less lethal shotguns are shoulder fired weapons deployed by trained sheriff's personnel to provide a less lethal option during encounters where lethal force is either not justified or desirable. These weapons are outfitted with and orange colored stock and forearm to distinguish them from lethal weapons.

Capabilities: This weapon system has an effective range of 5-75 feet. It fires a less lethal 12-gauge Super-Sock Beanbag Round. The range of the weapon system helps to maintain space between officers and a suspect reducing the immediacy of the threat which is a principle of de-escalation.

### Proposed Uses

Less Lethal Shotguns are issued trained sheriff's personnel for field deployment.

### Rules of Use, Training and Compliance

SSO personnel must complete a POST approved Less Lethal Weapon/Munitions Course, maintain departmentally required biannual qualifications, and comply with departmental orders including but not limited to the following:

- G.O. 2/01 Authorized Firearms and Ammunition
- G.O. 2/03 Firearms Training and Qualification
- G.O. 2/05 Use of Firearms
- G.O. 2/09 Purchase, Issuance and Inventory Control of Departmentally Owned Firearms
- G.O. 2/11 Use of Force
- G.O. 2/15 Less Lethal Force Weapons

## Less Lethal Shotgun Ammunition (Beanbag)

<b>QUANTITY</b>	50,000
<b>LIFESPAN</b>	Until expired
<b>INITIAL COST</b>	\$5.25/unit
<b>ANNUAL MAINTENANCE</b>	Replacement as used

### Description

A less lethal 2.4-inch 12-gauge shotgun round firing a ballistic fiber bag filled with 40 grams of lead shot at a velocity of 270-290 feet per second (FPS). CTS Super-Sock rounds are discharged from a dedicated 12-gauge shotgun that is distinguishable by an orange butt stock and fore grip. This round provides accurate and effective performance when fired from the approved distance of not fewer than five (5) feet. The maximum effective range of this munition is up to 75 feet from the target. The Model 2581 Super-Sock is in its deployed state immediately upon exiting the barrel. It does not require a minimum range to "unfold" or "stabilize." The Super-Sock is an aerodynamic projectile. However, accuracy is relative to the shotgun, barrel length, environmental conditions, and the operator. The Super-Sock is very accurate. However, effectiveness depends on many variables, such as distance, clothing, stature, and the point where the projectile impacts.



**40MM LAUNCHERS**

**Description and Use:** 40mm launchers are shoulder fired weapon systems used by authorized sheriff's personnel to deploy Exact Impact 40mm Sponge Rounds, Direct Impact 40mm Inert Crushable Foam Rounds, and Direct Impact 40mm OC Crushable Foam Rounds. The range of the weapon system helps to maintain space between officers and a suspect, reducing the immediacy of the threat which is a principle of de-escalation.

40mm launchers are also used by members of the SWAT team who have been trained in the deployment and use of chemical agents. This system allows the deployment of chemical agents into structures, vehicles, and areas occupied by a barricaded subject to force them out to a custody team and limit the likelihood of force on force encounters between officers and a suspect.

The 40mm launcher is also used in crowd and riot control situations to deploy chemical agents, smoke, and Aerial Distraction Devices.

**40 MM Single Launchers**

<b>QUANTITY</b>	45
<b>LIFESPAN</b>	10 Years
<b>INITIAL COST</b>	\$984
<b>ANNUAL MAINTENANCE</b>	\$100

**Description**

The SSO Range Unit maintains the following inventory of 40mm single launchers. These 40mm single launchers have the capacity to hold a single 40mm round. They all have the same features including a rifled barrel, top break action, and double action trigger.

- Defense Technology #1325 Single Launcher
- Defense Technology #1327 Single Launcher
- Defense Technology #1425 Single Launcher
- Penn Arms GL1-40

**Rules of Use, Training and Compliance**

SSO personnel must complete a POST approved Less Lethal Weapon/Munitions Course, maintain departmentally required biannual qualifications, and comply with departmental orders including but not limited to the following;

- G.O. 2/01 Authorized Firearms and Ammunition
- G.O. 2/03 Firearms Training and Qualification
- G.O. 2/05 Use of Firearms
- G.O. 2/09 Purchase, Issuance and Inventory Control of Departmentally Owned Firearms
- G.O. 2/11 Use of Force

G.O. 2/15 Less Lethal Force Weapons

## 40 MM Multi-Launchers

<b>QUANTITY</b>	1
<b>LIFESPAN</b>	10 Years
<b>INITIAL COST</b>	\$3300
<b>ANNUAL MAINTENANCE</b>	\$100

### Description

The SSO Range Unit maintains the following inventory of 40mm multi launchers. The 40mm multi launcher has the capacity to hold six 40mm rounds instead of one. The multi launcher allows SWAT members to deploy gas faster than standing and reloading which can expose them to gunfire and other hazards. It also allows for faster follow up shots in crowd and riot control situations because the officers are not spending as much time reloading.

- Penn Arms PGL65

### Proposed Uses

40mm multi launchers are assigned to the SWAT team for deployment of chemical agents. The 40mm multi launcher is assigned to trained SWAT team members.

### Rules for use:

- G.O. 2/01 – Authorized Firearms and Ammunition
- G.O. 2/02 - Firearms Training & Qualifications
- G.O. 2/03 - Firearms Training & Qualifications Special Weapon Training
- G.O. 2/09 - Purchase, Issuance of Departmentally Owned Firearms
- G.O. 2/11 - Use of Force Policy
- G.O. 2/15 – Less Lethal Weapons

### Training and Compliance

SWAT personnel receive additional training internally when they transfer to the unit. SWAT personnel are trained to deploy chemical agents and Aerial Distraction Devices by SWAT personnel who are POST certified Chemical Agent Instructors.

## **Less Lethal Shotgun Ammunition (Multi-Launcher)**

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### **40MM EXACT IMPACT SPONGE (BLUE TIP), cost: \$27.83, quantity: 2,500.**

A less lethal 40mm lightweight plastic and foam projectile fired from a single or multi-round purpose built 40mm grenade launcher with a rifled barrel at 325 FPS. The 30-gram foam projectile delivers 120 ft/lbs. of energy on impact. The 40mm Exact Impact Sponge Round provides accurate and effective performance when fired from the approved distance of not less than 5 feet and as far as 131 feet from the target.

### **40MM DIRECT IMPACT OC (ORANGE TIP), cost: \$29.40, quantity: 2,500.**

A less lethal 40mm lightweight plastic and crushable foam projectile fired from a single or multi-round purpose-built 40mm grenade launcher with a rifled barrel at 305 FPS. The 39-gram crushable foam projectile delivers 120 ft/lbs of energy upon impact in addition to dispersion of 5 grams of OC irritant. The 40mm Direct Impact OC Round provides accurate and effective performance when fired from the approved distance of not less than five feet and as far as 120 feet from the target.

### **40MM DIRECT IMPACT (BLACK TIP), cost: \$27.83, quantity: 2,500.**

A less lethal 40mm lightweight plastic and crushable foam projectile fired from a single or multi-round purpose-built 40mm grenade launcher with a rifled barrel at 305 FPS. The 39-gram crushable foam projectile delivers 120 ft/lbs of energy upon impact. The 40mm Direct Impact Round provides accurate and effective performance when fired from the approved distance of not less than 5 feet and as far as 120 feet from the target.

Sacramento County Sheriff's Office  
Sacramento, California USA

